

Public Health Reports

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No. 12.

UNITED STATES.

[Reports to the Supervising Surgeon-General United States Marine-Hospital Service.]

Smallpox at Middlesborough, Ky.

MIDDLESBOROUGH, KY., March 14, 1898.

SIR: I have the honor to report that, in obedience to telegraphic orders, Surgeon-General's office, March 10, 1898, I arrived here last evening at 8 o'clock. This morning, accompanied by Dr. A. T. McCormack, chief State sanitary inspector, who, with four assistants, is in control here, I visited the pesthouse and found 49 cases of variola and 23 suspects. There are also 400 suspects quarantined at their homes. The first case occurred in October, 1897, and was imported from Birmingham, Ala. The State board of health took charge of the epidemic on February 28, 1898, declaring the disease epidemic, and since that time there have been 169 cases and 2 deaths to this date, 34 of the cases being white and 135 negroes, one of the latter being a child one day old, the eruption appearing at the same time on mother and child. The population numbers about 4,200, and consists chiefly of the employees of the furnaces and a tannery, and miners, who live in the town and work in the adjoining mines. Nearly, if not quite, half the population are negroes. The town has been absolutely quarantined since February 28, no one being allowed either to enter or leave it. Sixteen guards, one day and one night, guard each of the eight roads leading to the town, and no tickets are allowed to be sold either to or from the town, and practically there is no travel. Since the board of health took charge, 1,960 people have been vaccinated, and forcible vaccination is still progressing. The occasion for the request for an officer of the Marine-Hospital Service was as follows: Middlesborough was a "boom town," started some ten years ago, and several million dollars were invested here in various enterprises. In two or three years the "boom" col-

lapsed and left the town stranded with a heavy debt. When this epidemic came it found the town without a dollar in the treasury. The place is practically owned by two or three companies, and everybody works on a salary. These companies paid up their taxes in advance, and all having been expended, there were no other funds for the city to draw on.

The county, which is also heavily in debt, has been haggling with the city in regard to an appropriation, but none has been made. The city script is worthless, and the grocer who has been furnishing the supplies refuses longer to accept it. The physicians and guards are practically getting no pay. Under these circumstances the State board of health threatened to withdraw all guards and physicians, and quarantine the entire county, unless the county provided funds to care for the epidemic. In the presence of this threat the mayor requested that an officer of the Service be sent to investigate, trusting that the Government would come to their aid financially, if not otherwise. I am informed by Dr. McCormack, chief sanitary inspector, who is a son of the secretary of the State board, and who is acting for him here, that the disease is under control and that the State board is entirely able to care for it, it being the determination of the board to force the county to provide funds. To-day the patients are without food. A committee of citizens met and discussed the matter, and have wired the situation to the governor and the State board, asking them to request the assistance of the Government. Chief Inspector McCormack informs me that the board will not make such a request, claiming that it is able to handle the situation itself. Under these circumstances I do not see that the Service can do anything further in the matter. There are a few cases of variola at Jellico, Ky., but Dr. McCormack informs me that they are under control and thoroughly isolated. Numerous little towns and villages within a radius of 20 miles have instituted "shotgun" quarantines, and will allow no one to enter or leave them, though they have no smallpox in them. Among these places may be mentioned Pineville, Ky., Cumberland Gap, Morristown, Greeneville, Limestone, Jonesboro, and Tazewell, all in Tennessee. Some of these places will not allow any one to get off the train. While en route to this place I had to delay several hours in Knoxville, and called on the city physician and met several of the prominent business men. I am informed that in Knoxville there have been 16 cases of variola since December 14, 1897, and 30 suspects; that there are now 5 cases in the pest boat, which is anchored out on the river above the city. I am informed that the disease is under control in Knoxville and no further danger is feared except from reinfection.

Respectfully, yours,

C. P. WERTENBAKER,

Passed Assistant Surgeon, U. S. M. H. S., on Special Duty.

Smallpox in Mobile, Ala.

MOBILE, ALA., March 19, 1898.

SIR: I have the honor to report that 8 cases of smallpox have been admitted to the pesthouse since my last report, making the total number of admissions 30, with 1 death. Twenty-three cases now under treatment.

I am, very respectfully, your obedient servant,

R. D. MURRAY,

Surgeon, U. S. M. H. S.

Case of measles on the steamship China.

NATIONAL QUARANTINE STATION,
Angel Island, Cal., March 12, 1898.

SIR: I have the honor to report that the Hawaiian steamer *China* arrived to-day from Oriental ports with the storekeeper, Ben Graves, 21 years old, born in California, convalescing from measles.

The man was refused permission to land by the local quarantine office. I therefore took him to the station, where he will be cared for until well.

Respectfully, yours,

M. J. ROSENAU,
Passed Assistant Surgeon, U. S. M. H. S.

Quarantine proclamation.

OFFICE OF QUARANTINE BOARD OF MOBILE BAY,
Mobile, Ala., March 12, 1898.

In accordance with law, and by virtue of authority vested in me by the quarantine board of Mobile Bay, I, George E. Sage, president of said board, do hereby declare, that from and after sunrise on the first day of April, 1898, and until the first day of December, 1898, unless sooner revoked, quarantine shall be enforced against all vessels entering Lower Mobile Bay, as follows:

First. Against all vessels, with their ballast, crews, passengers, baggage, and freight coming from ports regarded by the board as infected.

Second. Against all vessels, with their cargoes, ballast, crews, passengers, baggage, and freight coming from ports regarded by the board as suspected.

Third. Against all vessels and their contents, which are infected, or with a history of infection during the present year, and have not subsequently been subjected to improved maritime sanitation.

Fourth. Against all vessels and their contents that, during the quarantine season, have visited ports declared by this board to be infected, and subsequently arrive in our bay from foreign or domestic ports where no disinfection by the improved process is practiced.

Ports now regarded as infected are all the ports of Cuba, Rio de Janeiro, Para, Bahia, Pernambuco, Santos, Ceara, San Juan (Porto Rico), Puntas Arenas, Guayaquil, and Vera Cruz, and vessels coming from ports hereafter becoming infected will be treated in same manner as those from ports named. Ports regarded as suspected are all other South American and West Indian ports, as well as those of Central America and Mexico, with the exception of the following, to wit: Ruatan, Bonacco, Utila, Truxillo, Swan Island, Grand Cayman, and Cayman Brac; but vessels from these specially named, with passengers aboard, will be subjected to such detention and disinfection of vessels and contents as the quarantine board or executive officer may prescribe on arrival at quarantine station.

All vessels and contents under the first class will be subjected to thorough maritime sanitation and then detained five full days from completion of process. Pilots will not board such vessels unless it is absolutely necessary, but will waive them to the proper quarantine anchorage. Pilots violating this provision will, at the option of the board or its executive officer, be subjected to same treatment as other persons on board said vessels.

All vessels under the second class will be subjected to thorough maritime sanitation and then be detained three full days from completion of process.

No vessel under the third class will be allowed in the lower bay until master produces a certificate that his vessel and contents have been subjected to thorough disinfection by the improved method, after which the vessel will be carefully inspected and detained only for cause. Vessels under this class, without certificates here referred to, will be spoken off the bar and directed to the Ship Island Refuge Station, and pilots and other persons are not allowed to board such vessels.

Vessels under the fourth class, that is, those visiting ports declared by this board infected, and subsequently visiting New York, Philadelphia, Baltimore or other ports will not be allowed to come to the city without thorough maritime sanitation is undergone subsequent to departure from infected port and certificate to that effect from the official having so treated the vessel.

Any vessel not from an infected place, but bringing ballast, crew, passengers, baggage, or freight from an infected place, will be included in the first class, and treated accordingly, unless the master can produce a certificate that said ballast, crew, passengers,

baggage, and freight have been subjected to disinfection and detention prescribed for vessels under the first class.

Vessels from ports known not to be infected, and not heretofore provided for, will only be detained at quarantine station a sufficient length of time to be placed in proper sanitary condition. All vessels, however, entering the bay, except those holding release certificates, must be inspected by the quarantine physician and procure pratique before coming to the city, or communicating with other vessels or persons.

The restrictions herein proclaimed are subject to change, at the option of the quarantine board, to meet particular cases.

The rules and regulations in force in 1892, except when in conflict with the provisions of this proclamation, remain in full force and effect during 1898.

For the purpose of continuing the fruit traffic with the various ports of the West Indies, Central and South America, not known to be infected, and visited by steamers coming to this city, during the quarantine season medical agents shall be stationed at said ports, and shall report by each and every vessel on the sanitary condition of their respective districts, on compliance, by vessels with the regulations issued herein for their guidance, and shall perform such other duties as may, from time to time, be required of them. Said medical agents shall be appointed, or elected, by this board, and shall be accountable, and report direct, to this board, or its authorized agent, and shall receive such monthly salaries as may be determined upon by the quarantine board.

All vessels engaged in the tropical fruit trade, in accordance with these provisions, will be required to be provided with the certificate of our medical agents of strict compliance with the rules and regulations governing said traffic, and will be detained at the Mobile Bay Quarantine Station sufficiently long to insure a most searching daylight inspection.

These vessels, whenever practicable, should be manned by acclimated crews, and will be required, each trip, to furnish the quarantine physician the certificate of the medical agent that the ports and places visited by said vessels are free from contagious and infectious disease, and passengers, if any, are also free from, and have not recently been exposed to, such disease; passengers only allowed their personal baggage, and, in all instances, the names of passengers to be incorporated in the certificate.

Household effects, hides, bones, and fertilizers, are rigidly prohibited, and under no circumstances will be allowed as a part of the cargo.

These vessels shall not touch at any port not included in their schedule, and communicate with no vessel during the voyage, except in case of distress; they shall be required to make a full disclosure to the medical agents at scheduled ports and at the Mobile Quarantine Station, of all the ports and places they have visited on the voyage, together with such other pertinent information as may be required by the medical agents of this board.

Should infectious disease appear at any of the scheduled ports herein provided for, then these privileges will at once terminate, and any violation of the letter or spirit of the above-mentioned conditions, will be taken by the quarantine board as a forfeiture by the vessel in default of all privileges granted them under said conditions.

Medical agents of the board in Central American ports will be instructed to issue certificates to vessels only chartered by the merchants of this city defraying the expense of this agency service, and said merchants are requested to furnish this office with a list of all said vessels, and to promptly notify us of any additions to or subtractions from said list. All other persons desiring to participate in the benefit of said service will be required to defray their pro rata of the expense of said medical service, and all vessels from Central American ports, without said certificates, except as provided for in the proclamation, will, on arrival at our quarantine station, be required to lighter perishable cargoes, and then undergo thorough disinfection and detention as prescribed in the proclamation.

Medical agents will not certify passengers unless satisfied that said passengers have not been exposed to infectious diseases for at least ten days prior to contemplated departure. In all cases of doubt as to baggage the same must be disinfected under the direct supervision of the medical agent and so certified.

Notice is hereby also given that notwithstanding the summer quarantine will not take effect until April 1, inspections of vessels now made by the quarantine physician, in the stream in front of the city, will, on and after March 22, be rigidly conducted at the quarantine station, and pilots and masters of vessels will be governed accordingly or incur the penalty.

The following-named persons are the duly authorized active officers of the board for the coming season, and must be respected accordingly:

Dr. T. S. Scales, health and chief executive officer; Dr. Henry Goldwaite, quarantine physician; Mr. R. B. Owen, secretary and treasurer.

Dr. Henry Goldthwaite, quarantine physician, will have full charge of the quaran-

tine station, under the direction and supervision of the health officer, and will be held responsible for the management of the same and for the conduct of the employees, with power to discharge for drunkenness or insubordination.

All employees at the station will be expected and required to perform the duties for which they are employed, and drumming, or soliciting trade for any one is strictly forbidden.

Complaints arising at the quarantine station must be forwarded, in writing, to the health officer, through the quarantine physician, and all other complaints must be submitted in writing, together with such evidence as may be in hand, direct to the health officer.

Runners, or persons soliciting trade, for merchants in this city, or elsewhere, will not be allowed to board vessels until the same have been granted free pratique, by the quarantine physician, and are beyond or out of the quarantine anchorage. Except those required by law to enter the quarantine anchorage, no other persons will be allowed within said anchorage or to visit the station, unless by special permission of the quarantine physician. Violations of these provisions will be prosecuted in courts of competent jurisdiction.

For the information of all interested, an ordinance in relation to quarantine, adopted by the honorable general council of the city, is published, as follows :

AN ORDINANCE TO PREVENT VIOLATIONS OF QUARANTINE.

"SECTION 1. *Be it ordained by the mayor and general council*, That any person who shall violate or escape from quarantine, lawfully established by any authority, and enter the city of Mobile, shall be arrested by the police and conducted out of the city, to the nearest quarantine station, and may, in the discretion of the mayor, be fined not exceeding fifty dollars for each offence.

"SEC. 2. *Be it further ordained*, That any person who shall bring, or cause to be brought into the city of Mobile, any article or merchandise in violation of any quarantine regulation of this city, county, State, or the quarantine board of Mobile Bay, shall, on conviction, be fined not exceeding fifty dollars for each offence, and such article or merchandise shall, in the discretion of the mayor, be removed, disinfected, or destroyed, at the expense of the offender.

"SEC. 3. *Be it further ordained*, That any person who shall aid or instigate any other in committing any offence above described or shall in any way be instrumental or concerned in such offence shall, on conviction before the mayor, be fined not exceeding fifty dollars."

By order of the quarantine board of Mobile Bay.

GEORGE E. SAGE, *President*.

Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to March 25, 1898.

Places.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Bessemer.....	Jan. 6.....	42	.....
	Jan. 9-Jan. 26.....	78	.....
	Jan. 30-Feb. 19.....	23	.....
Birmingham.....	Jan. 6-Jan. 8.....	11	.....
	Jan. 9-Jan. 26.....	29	.....
	Jan. 30-Feb. 19.....	7	.....
In Jefferson county, outside of the city.....	Feb. 6-Feb. 19.....	26	.....
Carneys Bluff.....	Feb. 17.....	.....	.....	Smallpox reported.
Corona.....	Mar. 4.....	1	.....
Dolomite.....	Dec. 1-Jan. 17.....	21	.....
Gosport.....	Feb. 17.....	.....	.....	Do.
Glendon.....	Feb. 17.....	.....	.....	Do.
Haynesville.....	Mar. 11.....	400	.....
Horse Creek Mine.....	Mar. 4.....	3	.....
Jackson.....	Feb. 17.....	10	.....
Mobile.....	Feb. 5-Mar. 19.....	30	1	
Montevallo.....	Mar. 3.....	1	.....
Newton.....	Jan. 15-Feb. 2.....	7	.....
Nichola.....	Feb. 17.....	.....	.....	Do.
Ozma.....	Jan. 19.....	.....	.....	Do.
Patton.....	Feb. 1-Mar. 4.....	9	.....
Pinckard.....	Feb. 2.....	50	.....
Rock Springs.....	Mar. 11.....	15	.....
Salitpa.....	Feb. 17.....	.....	.....	Do.
Selma.....	Jan. 13-Feb. 14.....	3	.....

Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Alabama—Continued.				
Shelby.....	Jan. 28.....	1		
Talladega.....	Jan. 9-Jan. 26.....	41		
	Jan. 27-Feb. 15.....	4		
Walker Springs.....	Feb. 17.....			Smallpox reported.
Arkansas:				
Fair Oaks.....	Mar. 1.....	5		
District of Columbia:				
Washington.....	Feb. 7.....	1		Naval Hospital.
Florida:				
Washington County.....	Jan. 24.....	12		
Georgia:				
Atlanta.....	Jan. 17.....	131		Most cases from county.
	Jan. 18-Jan. 25.....	18	1	
	Jan. 26-Feb. 16.....	29	1	
Cartersville.....	Jan. 15-Mar. 1.....	9	1	
Griffin.....	Feb. 12.....	2		
Stilesboro.....	Jan. 15.....			Smallpox reported.
Indiana:				
Evansville.....	Feb. 26.....	1		
Kentucky:				
Butler.....	Feb. 8-Feb. 24.....	1		
Middlesborough.....	Feb. 3-Mar. 14.....	176	2	
Louisiana:				
New Orleans.....	Mar. 13-Mar. 19.....	1		
Massachusetts:				
Greenfield.....	Feb. 5-Feb. 22.....	1		
Westfield.....	Feb. 20-Mar. 2.....	1		
Michigan:				
Royal Oak.....	Feb. 12-Mar. 12.....	1		
New Jersey:				
Westfield.....	Mar. 4.....	1		
New York:				
Deposit.....	Nov. 1-Nov. 30.....	1		
North Carolina:				
Alamance County.....	Feb. 18-Feb. 25.....	1		
Charlotte.....	Jan. 25.....	2		
	Jan. 26-Feb. 12.....	2		
Clay County.....	Feb. 15-Feb. 24.....	3		
Wilmington.....	Jan. 12.....	1		
South Carolina:				
Beaufort.....	Jan. 17.....			Do.
Greenville.....	Jan. 17.....			Do.
Orangeburg.....	Jan. 17.....			Do.
Rock Hill.....	Jan. 17.....			Do.
Spartanburg.....	Jan. 17.....			Do.
Swansea.....	Jan. 15.....			Do.
Tennessee:				
Chattanooga.....	Jan. 1-Jan. 29.....	1		
	Feb. 1-Feb. 28.....	7		
Huntington (near).....	Jan. 1-Jan. 29.....	1		
Jellico.....	Feb. 1-Feb. 28.....	8		
Johnson City.....	Feb. 1-Feb. 28.....	11		
Knoxville.....	Jan. 1-Jan. 29.....	3		
	Feb. 1-Feb. 28.....	11		
Lenoir City.....	Jan. 1-Jan. 29.....	2		
	Feb. 1-Feb. 28.....	3		
Memphis.....	Jan. 22-Jan. 29.....	1		
	Jan. 30-Feb. 10.....	1		
Mingo mines.....	Jan. 1-Jan. 29.....	6		
Mingo.....	Feb. 1-Feb. 28.....	2		
Morristown.....	Feb. 1-Feb. 28.....	1		
Newcomb.....	Feb. 1-Feb. 28.....	3		
Rutledge.....	Feb. 1-Feb. 28.....	1		
Texas:				
Brownsville.....	Feb. 26.....	1		
Virginia:				
Colburn.....	Feb. 1.....			Smallpox reported.
Norfolk.....	Mar. 1-Mar. 10.....	2		
Norton.....	Feb. 1.....			Do.

Report of immigration at Boston for the week ended March 19, 1898.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, March 19, 1898.

*Number of alien immigrants who arrived at this port during the week ended March 19, 1898;
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of immigrants.
Mar. 13	Steamship Boston	Yarmouth, Nova Scotia.....	109
Do....	Steamship Bostonian	London, Eng'and.....	9
Mar. 14	Steamship Beverly	Port Morant, Jamaica.....	6
Mar. 15	Steamship Victorian.....	Liverpool, England.....	25
Do....	Steamship Michigan	do.....	44
Do....	Steamship British Trader.....	London, England.....	6
Mar. 16	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	17
Do....	Steamship Lycia.....	Avonmouth, England.....	12
Do....	Steamship Megantic.....	London, England.....	44
Mar. 17	Steamship Boston.....	Yarmouth, Nova Scotia.....	94
Do....	Steamship Halifax	Halifax, Nova Scotia.....	50
Do....	Steamship Canada.....	Liverpool, England.....	287
Do....	Steamship Sarmatian.....	Glasgow, Scotland.....	16
Mar. 18	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	16
Mar. 19	Steamship Pavonia.....	Liverpool, England.....	101
Total.....			835

GEORGE B. BILLINGS,
Commissioner.

Report of immigration at New York for the week ended March 19, 1898.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of New York, March 21, 1898.

*Number of alien immigrants who arrived at this port during the week ended March 19, 1898;
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of immigrants.
Mar. 14	Steamship Spaarndam	Rotterdam	193
Do....	Steamship Norge	Copenhagen	61
Do....	Steamship La Normandie	Havre	272
Mar. 15	Steamship Westernland.....	Antwerp.....	156
Mar. 16	Steamship Pennsylvania.....	Hamburg.....	401
Do....	Steamship Majestic	Liverpool and Queenstown.....	315
Mar. 17	Steamship Oldenburg.....	Bremen.....	658
Do....	Steamship Lahn.....	do.....	354
Do....	Steamship Normannia.....	Genoa.....	721
Do....	Steamship Spartan Prince.....	Naples.....	653
Do....	Steamship Buenos Ayrian.....	Glasgow and Moville.....	74
Mar. 19	Steamship Campania	Liverpool and Queenstown.....	492
Do....	Steamship Alsatia	Naples.....	714
Total.....			5,064

THOMAS FITCHIE,
Commissioner.

*Report of immigration at Philadelphia for the week ended March 19, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of Philadelphia, March 19, 1898.**Number of alien immigrants who arrived at this port during the week ended March 19, 1898;
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of im migrants.
Mar. 16	Steamship Switzerland.....	Antwerp.....	136

JNO. J. S. RODGERS,
Commissioner.

QUARANTINE REPORTS.

National quarantine and inspection stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Alexandria, Va.	Mar. 19							No transactions.	2
Brunswick, Ga.	do.								1
Cape Fear, N. C.	do.								4
Delaware Breakwater Quarantine, Del.	Mar. 9							No transactions.	3
Eureka, Cal.	Mar. 16							do.	
Grays Harbor, Wash.	Mar. 12							Suspicious dunnage	
Gulf Quarantine, Ship Island, Miss.		Am. sc. Eva B. Douglass.	Mar. 9	Norfolk, Va., via Kingston, Jamaica.	Pascagoula.	Disinfected and held.			
Newbern, N. C.	Mar. 19							No transactions.	2
Port Townsend, Wash.	Mar. 12								14
Reedy Island Quarantine, Del.	Mar. 19								5
San Diego, Cal.	Mar. 12							Crew of Doric released.	21
San Francisco Quarantine, Cal.	do.	Br. ss. Doric a.	Feb. 28	Hongkong.	San Francisco	Disinfected and released; 94 of crew, and 33 Chinese and 50 Japanese steerage passengers, disinfected and held for observation; cabin passengers vaccinated and released; 1 Chinese fireman died of variola and was buried at sea.	Mar. 12		
South Atlantic Quarantine, Blackbeard Island, Ga.	do.	Nor. bk. Cato.	Mar. 11	Para.	Brunswick, Ga.	Held for disinfection.		One death in Para from yellow fever; 1 passenger died of yellow fever on voyage.	8
Tortugas Quarantine, Key West, Fla.	do.							No transactions	1
Washington, N. C.	Mar. 19								

a Previously reported.

QUARANTINE REPORTS—Continued.

State and municipal quarantine stations.

(Vessels named only when detained or given treatment at quarantine.)

[illegible]

Reports of States and yearly and monthly reports of cities.

CALIFORNIA—Oakland.—Month of February, 1898. Estimated population, 75,000. Total deaths, 71, including phthisis pulmonalis, 2, and diphtheria, 2.

Sacramento.—Month of February, 1898. Estimated population, 30,000. Total deaths 31, including phthisis pulmonalis, 3, and enteric fever, 1.

CONNECTICUT.—Month of February, 1898. Reports to the State board of health from 167 towns having an aggregate population of 882,242, show a total of 1,026 deaths, including phthisis pulmonalis, 104; enteric fever, 4; scarlet fever, 3; diphtheria and croup, 20; measles, 13, and whooping cough, 10.

ILLINOIS—Chicago.—Month of February, 1898. Estimated population, 1,750,000. Total deaths, 2,023, including phthisis pulmonalis, 215; enteric fever, 32; scarlet fever, 4; diphtheria, 64; measles, 1, and whooping cough, 18.

MASSACHUSETTS—Brockton.—Month of February, 1898. Estimated population, 35,853. Total deaths, 33, including 3 from phthisis pulmonalis.

Worcester.—Month of February, 1898. Estimated population, 106,202. Total deaths, 138, including phthisis pulmonalis, 19, and diphtheria, 3.

MARYLAND—Baltimore.—Month of February, 1898. Estimated population, white, 431,054; colored, 75,344; total, 506,398. Deaths, white, 573; colored, 196; total, 769, including phthisis pulmonalis, 94; enteric fever, 8; scarlet fever, 7; diphtheria, 30; measles, 7, and whooping cough, 9.

MICHIGAN.—Week ended March 12, 1898. Reports to the State board of health from 62 observers, indicate that diarrhea and intermittent fever increased in area of prevalence. Phthisis pulmonalis was reported present during the week at 127, measles at 46, scarlet fever at 33, enteric fever at 31, diphtheria at 27, whooping cough at 11, and smallpox at 1 place (Royal Oak).

MINNESOTA—Duluth.—Six months ended February 28, 1898. Estimated population, 60,000. Total deaths, 302, including phthisis pulmonalis, 30; enteric fever, 29; scarlet fever, 1; diphtheria, 1, and whooping cough, 1.

Minneapolis.—Month of February, 1898. Estimated population, 192,833. Total deaths, 183, including phthisis pulmonalis, 15; enteric fever, 4; diphtheria, 1, and measles, 9.

OHIO—Columbus.—Month of February, 1898. Estimated population, 135,000. Total deaths, 146, including phthisis pulmonalis, 23; enteric fever, 1; scarlet fever, 1, and measles, 3.

Cleveland.—Month of February, 1898. Estimated population, 370,000. Total deaths, 342, including phthisis pulmonalis, 17; enteric fever, 8; scarlet fever, 3; diphtheria, 7, and measles, 1.

TENNESSEE—*Nashville*.—Month of February, 1898. Estimated population, white, 54,595; colored, 33,159; total, 87,754. Deaths, white, 52; colored, 56; total, 108, including phthisis pulmonalis, 16, and enteric fever, 1.

VIRGINIA—*Norfolk*.—Month of February, 1898. Estimated population, white, 25,710; colored, 19,290; total, 45,000. Deaths, white, 34; colored, 41; total, 75, including phthisis pulmonalis, 4, and diphtheria, 2.

WASHINGTON—*Seattle*.—Month of February, 1898. Estimated population, 70,000. Total deaths, 55, including phthisis pulmonalis, 8; enteric fever, 1; diphtheria, 5, and whooping cough, 2.

WISCONSIN—*Milwaukee*.—Month of February, 1898. Estimated population, 249,290. Total deaths, 220, including phthisis pulmonalis, 18; enteric fever, 1; diphtheria, 7, and whooping cough, 5.

Superior.—Month of February, 1898. Estimated population, 35,000. Total deaths, 32, including enteric fever, 2; scarlet fever, 2, and diphtheria, 2.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—									
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Variceloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Allegheny, Pa.	Mar. 19.	105,287	37	2									
Ashtabula, Ohio.	do.	8,338	5						2	1			1
Baltimore, Md.	do.	434,439	195	31									1
Bennington, Vt.	do.	6,391	2						6	3	3	1	2
Binghamton, N. Y.	do.	35,005	15	1									
Boston, Mass.	do.	448,477	180	22					4		2		
Bristol, R. I.	Mar. 12.	5,478	3										
Bucyrus, Ohio	do.	5,974	3										
Butler, Pa.	Mar. 19.	8,734	4										
Charleston, S. C.	Mar. 12.	a 54,955	b 36	2								1	
Chicago, Ill.	do.	1,099,850	507	59					7	1	9	2	4
Do	Mar. 19.	1,099,850	501	53					12	2	11	2	5
Cincinnati, Ohio.	Mar. 18.	296,908	107	11					1	1	2	1	1
Cleveland, Ohio.	Mar. 14.	261,353	87	8									
Columbus, Ind.	Mar. 19.	6,719	2	1									
Columbus, Ohio.	Mar. 18.	88,150	27	8									
Concord, N. H.	Mar. 19.	17,044	5										
Dayton, Ohio	do.	8,590	23	3									
Dedham, Mass.	Mar. 12.	7,123	1									5	
Detroit, Mich.	Mar. 19.	205,876	81	6					1	1			
Dunkirk, N. Y.	Mar. 12.	9,416	4										
Do	Mar. 19.	9,416	2										
Erie, Pa.	do.	40,634	10	1					1				
Everett, Mass.	Mar. 12.	11,068	10						1				
Fall River, Mass.	Mar. 19.	74,398	36	3							1		
Flint, Mich.	do.	9,803	3	1									
Grand Rapids, Mich.	do.	60,278	15	1									
Green Bay, Wis.	Mar. 12.	9,069	5										
Haverhill, Mass.	Mar. 19.	27,412	12	3								3	
Hoboken, N. J.	do.	43,648	26	5								2	
Indianapolis, Ind.	Mar. 12.	105,436	37	5					3		1		
Jacksonville, Fla.	do.	17,201	9	4									
Do	Mar. 19.	17,201	13	2									
Johnstown, Pa.	do.	21,805	9						1				1
Kalamazoo, Mich.	do.	17,853	7	3									
Lancaster, Pa.	do.	32,011	41						1		1		
Lawrence, Mass.	do.	44,654	22	1									
Lowell, Mass.	do.	77,696	38	3							1		
Lynchburg, Va.	do.	19,709	8	4							2		
McKeesport, Pa.	Mar. 12.	20,741	10										
Manchester, N. H.	Mar. 19.	44,126	26	1							1		
Massillon, Ohio	do.	10,092	2	1									
Medford, Mass.	do.	11,079	4	1									
Melrose, Mass.	Mar. 12.	8,519	6										
Memphis, Tenn.	Mar. 19.	64,495	27	1									
Michigan City, Ind.	do.	10,776	3										
Middletown, N. Y.	Mar. 15.	11,977	11										
Milwaukee, Wis.	Mar. 19.	204,468	55	8							1		1
Minneapolis, Minn.	Mar. 12.	164,738	48	6					1		1	4	
Newburyport, Mass.	do.	13,947	1										
New Orleans, La.	Mar. 12.	242,039	145	21					4		1		
Newport, R. I.	Mar. 19.	19,457	4										
New York, N. Y.	Mar. 12.	1,515,301	1,223	100					5	11	36	22	10
Do	Mar. 19.	1,515,301	1,225	137					8	19	49	31	10
Omaha, Nebr.	Mar. 12.	140,452	30										
Oneonta, N. Y.	Mar. 19.	6,272	1										
Orange, N. J.	do.	18,844	14										
Palmer, Mass.	do.	6,520	3									1	
Petersburg, Va.	Mar. 20.	22,680	17	3									
Philadelphia, Pa.	Mar. 19.	1,046,964	484	54					12	4	24	13	3
Pittsburg, Pa.	Mar. 12.	238,617	102	10					2			2	2
Pittsfield, Mass.	Mar. 19.	17,281	9										
Plainfield, N. J.	do.	11,267	3										
Portland, Me.	Mar. 12.	36,425	14	1									
Do	Mar. 19.	36,425	16	1						1	1		
Providence, R. I.	do.	132,146	65	11					1				
St. Louis, Mo.	Mar. 13.	451,770	191	25					4				
Salt Lake City, Utah	Mar. 12.	44,843	13	1								1	
San Francisco, Cal.	Mar. 11.	298,997	142	27								2	
San Jose, Cal.	Mar. 12.	18,060	7										
Santa Barbara, Cal.	do.	5,864	3										
Sault Ste Marie, Mich.	do.	5,760	0										

a Estimated population, white, 28,870; colored, 36,295. Total, 65,165. b White, 11; colored, 25.

MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—								
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Variceloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.
Scranton, Pa.....	Mar. 19....	75,215	37	.....	.....	.....	.....	.....	.....	.....	.....	1
Spokane, Wash.....	Mar. 12....	19,922	8	1	.....	.....	.....	.....	.....	.....	.....	2
Taunton, Mass.....	Mar. 19....	23,448	14	1	.....	.....	.....	.....	.....	.....	.....	.....
Urbana, Ohio.....	Mar. 12....	6,510	0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Virginia City, Nev.....	Mar. 5....	8,511	0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Mar. 12....	8,511	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Waltham, Mass.....	Mar. 19....	18,707	7	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warren, Ohio.....	Mar. 12....	5,973	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winona, Minn.....	do.....	18,208	10	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woburn, Mass.....	Mar. 5....	13,499	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Mar. 12....	13,499	5	.....	.....	.....	.....	.....	.....	.....	.....	.....
Worcester, Mass.....	Mar. 11....	84,655	35	1	.....	.....	.....	.....	.....	.....	.....	1
Yonkers, N. Y.....	Mar. 18....	32,033	13	3	.....	.....	.....	.....	.....	.....	.....	.....
Youngstown, Ohio.....	Mar. 19....	33,220	8	.....	.....	.....	.....	.....	1	.....	.....	.....

Table of temperature and rainfall, week ended March 14, 1898.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
Atlantic Coast:						
Eastport, Me.....	29	9	.....	1.05	.....	.61
Portland, Me.....	32	8	.....	.77	.....	.69
Northfield, Vt.....	27	13	.....	.56	.....	.39
Boston, Mass.....	35	15	.....	.96	.....	.90
Vineyard Haven, Mass.....	34	13	.....	1.12	.....	1.12
Nantucket, Mass.....	36	8	.....	.77	.....	.74
Woods Hole, Mass.....	35	8	.....	1.05	.....	1.05
Block Island, R. I.....	35	8	.....	.91	.....	.91
New Haven, Conn.....	35	11	.....	.98	.....	.82
Albany, N. Y.....	31	17	.....	.63	.....	.52
New York, N. Y.....	37	9	.....	.91	.....	.86
Harrisburg, Pa.....	34	17	.....	.77	.....	.59
Philadelphia, Pa.....	39	13	.....	.77	.....	.77
New Brunswick, N. J.....	36	13	.....	.92	.....	.90
Atlantic City, N. J.....	38	7	.....	.91	.....	.91
Baltimore, Md.....	42	9	.....	.91	.....	.87
Washington, D. C.....	42	11	.....	.98	.....	.97
Lynchburg, Va.....	46	8	.....	.84	.....	.77
Cape Henry, Va.....	44	6	.....	1.18	.....	.96
Norfolk, Va.....	48	7	.....	1.05	.....	.61
Charlotte, N. C.....	49	7	.....	1.12	.....	1.06
Raleigh, N. C.....	49	7	.....	1.30	.....	.83
Kittyhawk, N. C.....	47	3	.....	1.14	.....	.40
Hatteras, N. C.....	50	6	.....	1.43	.....	1.08
Wilmington, N. C.....	54	6	.....	.91	.....	.91
Columbia, S. C.....	53	7	.....	1.08	.....	.73
Charleston, S. C.....	56	3	.....	.91	.....	.54
Augusta, Ga.....	55	6	.....	1.29	.....	.83
Savannah, Ga.....	58	3	.....	.86	.....	.86
Jacksonville, Fla.....	61	1	.....	.77	.....	.75
Jupiter, Fla.....	67	2	.....	.49	.....	.17
Key West, Fla.....	72	.....	1	.28	.....	.27
Gulf States:						
Atlanta, Ga.....	50	8	.....	1.53	.....	.40
Tampa, Fla.....	66	2	.....	.70	.....	.70
Pensacola, Fla.....	59	3	.....	1.33	.....	1.33
Mobile, Ala.....	58	4	.....	1.77	.....	1.74
Montgomery, Ala.....	56	4	.....	1.54	.....	1.48
Vicksburg, Miss.....	57	6	.....	1.48	.....	1.11
New Orleans, La.....	61	3	.....	1.19	.....	1.16
Shreveport, La.....	57	6	.....	1.05	.....	.73
Fort Smith, Ark.....	49	7	.....	.66	4.24	.....
Little Rock, Ark.....	51	9	.....	1.26	.14	.....
Palestine, Tex.....	56	6	.....	.91	.....	.43
Galveston, Tex.....	62	3	.....	.68	.....	.61
San Antonio, Tex.....	61	5	.....	.42	.....	.21
Corpus Christi, Tex.....	62	6	.....	.38	.....	.26
Ohio Valley and Tennessee:						
Memphis, Tenn.....	51	9	.....	1.33	.....	.81
Nashville, Tenn.....	49	10	.....	1.20	.....	.47
Chattanooga, Tenn.....	50	6	.....	1.40	.....	1.11
Knoxville, Tenn.....	47	9	.....	1.22	.....	.61
Louisville, Ky.....	44	11	.....	.88	.74	.....
Indianapolis, Ind.....	40	12	.....	.79	1.32	.....
Cincinnati, Ohio.....	42	13	.....	.77	.63	.....
Columbus, Ohio.....	38	15	.....	.65	.17	.....
Parkersburg, W. Va.....	41	13	.....	.70	.....	.56
Pittsburg, Pa.....	40	15	.....	.63	.....	.42
Lake Region:						
Oswego, N. Y.....	31	19	.....	.63	.....	.04
Rochester, N. Y.....	31	23	.....	.63	.....	.19
Buffalo, N. Y.....	30	19	.....	.57	.24	.....
Erie, Pa.....	32	19	.....	.64	.27	.....
Cleveland, Ohio.....	34	16	.....	.63	.....	.10
Sandusky, Ohio.....	35	15	.....	.56	.39	.....
Toledo, Ohio.....	35	14	.....	.43	.48	.....
Detroit, Mich.....	33	12	.....	.54	.91	.....
Lansing, Mich.....	30	12	.....	.58	1.08	.....
Port Huron, Mich.....	30	13	.....	.63	1.44	.....
Alpena, Mich.....	24	11	.....	.45	.02	.....
Sault Ste. Marie, Mich.....	22	10	.....	.21	.95	.....
Marquette, Mich.....	22	12	.....	.42	.61	.....
Green Bay, Wis.....	26	11	.....	.49	.32	.....
Grand Haven, Mich.....	30	11	.....	.49	.77	.....

a The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended March 14, 1898—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	a Excess.	a Deficiency.	Normal.	Excess.	Deficiency.
Lake Region—Continued.						
Milwaukee, Wis.....	30	11	.....	.56	.85	.....
Chicago, Ill.....	34	10	.....	.50	.60	.....
Duluth, Wis.....	22	12	.....	.35	.....	.34
Upper Mississippi Valley:						
St. Paul, Minn.....	25	13	.....	.28	.....	.18
La Crosse, Wis.....	30	9	.....	.35	.08	.....
Dubuque, Iowa.....	32	8	.....	.49	.34	.....
Davenport, Iowa.....	34	10	.....	.45	.86	.....
Des Moines, Iowa.....	33	10	.....	.28	.15	.....
Keokuk, Iowa.....	37	8	.....	.49	1.49	.....
Springfield, Ill.....	37	10	.....	.57	1.12	.....
Cairo, Ill.....	46	9	.....	.84	2.31	.....
St. Louis, Mo.....	43	8	.....	.77	.60	.....
Missouri Valley:						
Columbia, Mo.....	38	11	.....	.63	1.31	.....
Springfield, Mo.....	42	8	.....	.76	2.55	.....
Kansas City, Mo.....	39	7	.....	.49	.64	.....
Wichita, Kans.....	42	7	.....	.42	.16	.....
Concordia, Kans.....	39	6	.....	.38	.32	.....
Lincoln, Nebr.....	36	7	.....	.28	.15	.....
Omaha, Nebr.....	34	8	.....	.28	.....	.02
Sioux City, Iowa.....	30	9	.....	.28	.07	.....
Yankton, S. Dak.....	28	11	.....	.21	.15	.....
Valentine, Nebr.....	31	7	.....	.28	.07	.....
Huron, S. Dak.....	26	9	.....	.14	.11	.....
Pierre, S. Dak.....	27	10	.....	.14	.....	.03
Moorhead, Minn.....	18	9	.....	.15	.59	.....
Bismarck, N. Dak.....	19	9	.....	.21	.....	.10
Williston, N. Dak.....	20	5	.....	.07	.31	.....
Rocky Mountain Region:						
Havre, Mont.....	27	2	.....	.11	.11	.....
Helena, Mont.....	32	.....	6	.08	.69	.....
Miles City, Mont.....	29	2	.....	.07	.37	.....
Rapid City, S. Dak.....	30	4	.....	.21	.00	.....
Spokane, Wash.....	38	0	.....	.34	.....	.17
Wallawalla, Wash.....	46	.....	3	.39	.....	.20
Baker City, Oreg.....	34	.....	1	.42	.....	.25
Winnemucca, Nev.....	39	.....	2	.21	.....	.01
Salt Lake City, Utah.....	40	.....	2	.42	.04	.....
Lander, Wyo.....	31	.....	1	.28	.74	.....
Cheyenne, Wyo.....	31	0	.....	.14	.17	.....
North Platte, Nebr.....	33	7	.....	.14	.43	.....
Denver, Colo.....	38	1	.....	.21	.....	.10
Pueblo, Colo.....	39	4	.....	.11	.03	.....
Dodge City, Kans.....	40	6	.....	.21	.....	.11
Oklahoma, Okla.....	49	4	.....	.70	.80	.....
Amarillo, Tex.....	44	5	.....	.07	.15	.....
Abilene, Tex.....	53	6	.....	.21	.85	.....
Santa Fe, N. Mex.....	39	1	.....	.14	.69	.....
El Paso, Tex.....	54	4	.....	.69	.31	.....
Phoenix, Ariz.....	60	0	.....	.18	.....	.15
Pacific Coast:						
Fort Canby, Wash.....	45	.....	2	1.47	.....	.97
Portland, Oreg.....	46	.....	3	1.33	.....	.99
Roseburg, Oreg.....	47	.....	4	.86	.....	.26
Eureka, Cal.....	49	.....	.....	1.47	.....	.....
Redbluff, Cal.....	53	2	.....	.77	.....	.77
Carson City, Nev.....	41	.....	2	.30	.....	.15
Sacramento, Cal.....	53	1	.....	.70	.....	.70
San Francisco, Cal.....	53	1	.....	.72	.....	.59
Fresno, Cal.....	54	1	.....	.28	.....	.10
Los Angeles, Cal.....	55	0	.....	.72	.....	.20
San Diego, Cal.....	55	.....	1	.39	.08	.....
Yuma, Ariz.....	64	.....	2	.07	.32	.....

a The figures in these columns represent the average daily departure.

FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

Cholera, yellow fever, plague, and smallpox as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to March 25, 1898.

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay	Nov. 24-Nov. 30.....		4	
	Dec. 1-Feb. 15.....		46	
Calcutta.....	Nov. 14-Dec. 4.....		42	
	Dec. 5-Jan. 1.....		31	
	Jan. 2-Jan. 29.....		28	
	Jan. 30-Feb. 5.....		13	
Madras.....	Nov. 20-Dec. 10.....		8	
	Dec. 4-Dec. 31.....		11	
	Jan. 1-Jan. 28.....		45	
	Jan. 29-Feb. 11.....		8	
Singapore.....	Nov. 1-Nov. 30.....		1	
	Dec. 1-Dec. 31.....		1	

YELLOW FEVER.

Brazil:				
Bahia.....	Dec. 27.....	3	2	Taken off of Nor. bk. Adonis.
	Dec. 29.....	6		
Ceara.....	Nov. 1-Nov. 30.....		1	
Para.....	Dec. 12-Jan. 1.....		24	
	Jan. 2-Jan. 15.....		22	
	Jan. 16-Feb. 28.....		30	
Rio de Janeiro.....	Nov. 21-Dec. 4.....	1		
	Dec. 5-Jan. 1.....	8	3	
	Jan. 1-Jan. 8.....	4	1	
Santos	Jan. 2-Jan. 8.....	1	1	
	Jan. 23-Jan. 29.....	3		
	Jan. 30-Feb. 5.....	2		
Cuba:				
Cienfuegos.....	Dec. 20-Jan. 2.....		2	
	Jan. 3-Jan. 23.....		1	
Habana	Dec. 17-Dec. 30.....		6	
	Dec. 31-Jan. 27.....		9	
	Jan. 28-Feb. 17.....		3	
Manzanillo.....	Dec. 1-Dec. 31.....		28	
	Jan. 1-Jan. 31.....		9	
	Feb. 14-Feb. 28.....		3	
Matanzas.....	Dec. 15-Jan. 19.....		4	
	Feb. 9-Feb. 23.....		2	
Regla.....	Dec. 31-Feb. 28.....		7	
	Mar. 1-Mar. 10.....		1	
Sagua la Grande.....	Dec. 18-Jan. 20.....			A few cases of yellow fever, but impossible to obtain statistics.
Santiago de Cuba.....	Dec. 19-Jan. 29.....		6	
Jamaica:				
Kingston.....	Dec. 19-Jan. 1.....	1	1	
	Jan. 2-Jan. 31.....	2	2	
	Feb. 5-Feb. 19.....	2	1	
St. Andrew.....	Dec. 19-Jan. 1.....	1		
	Feb. 27-Mar. 5.....	1	1	
St. Catherine.....	Dec. 19-Jan. 1.....	1		
St. Elizabeth.....	Dec. 19-Jan. 1.....	1	1	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
China:				
Hongkong.....	Nov. 7-Nov. 20...	2	2	
	Dec. 18-Jan. 1...	2	2	
	Jan. 2-Jan. 29...	6	5	
	Jan. 30-Feb. 5...	5	3	
India:				
Bombay	Nov. 24-Nov. 30...		70	
	Dec. 1-Feb. 8...		4,833	
	Feb. 9-Feb. 15...		1,257	
Japan:				
Taiwan (Formosa).....	Dec. 28-Feb. 22...	67		

SMALLPOX.

Bohemia:				
Prague.....	Dec. 12-Jan. 1...	11		
	Jan. 2-Feb. 26...	71		
Brazil:				
Pernambuco	Dec. 1-Dec. 25...		8	
Rio de Janeiro.....	Nov. 21-Dec. 4...	10		
	Dec. 5-Jan. 1...	9	1	
	Jan. 1-Jan. 8...	5		
Canada:				
Maissonneuve.....	Jan. 26-Feb. 16...	3		
Montreal.....	Jan. 3-Jan. 12...	3	0	
	Feb. 11-Feb. 16...	1		
China:				
Hongkong	Nov. 7-Dec. 4...	6	4	
	Dec. 5-Jan. 1...	11	8	
	Jan. 2-Feb. 5...	63	48	
Cuba:				
Cardenas.....	Dec. 19-Jan. 22...		5	
	Mar. 6-Mar. 12...		1	
Cienfuegos	Dec. 20-Jan. 2...		7	
	Jan. 3-Jan. 23...		19	
	Feb. 7-Feb. 27...		35	
Habana	Dec. 17-Mar. 10...		117	
Matanzas.....	Jan. 20-Feb. 23...		8	
Regla	Feb. 18-Mar. 3...		1	
Sagua la Grande.....	Dec. 19-Jan. 29...	233	29	
	Jan. 30-Feb. 26...	470	35	
	Feb. 27-Mar. 12...	232	13	
England:				
Bristol.....	Feb. 6-Feb. 19...	1		
Liverpool.....	Jan. 15-Jan. 29...	3		
	Feb. 1-Feb. 19...	4		
London.....	Feb. 27-Mar. 5...	1		
Middlesborough.....	Feb. 9.....	90		
Southampton.....	Jan. 8-Feb. 12...	2		
Sunderland.....	Dec. 18-Jan. 8...	1		
	Feb. 27-Mar. 5...	2		
West Hartlepool	Jan. 9-Jan. 22...	5		
Gibraltar.....	Dec. 6-Dec. 12...	1		
	Dec. 27-Jan. 30...	2		
India:				
Bombay.....	Feb. 9-Feb. 15...	1		
Calcutta.....	Dec. 19-Dec. 25...		1	
	Jan. 30-Feb. 5...		3	
Madras.....	Nov. 27-Dec. 3...		1	
	Dec. 4-Dec. 31...		3	
	Jan. 1-Jan. 28...		6	
	Jan. 29-Feb. 4...		6	
	Feb. 5-Feb. 11...		6	
Italy:				
Messina.....	Dec. 12-Jan. 8...		5	
	Jan. 30-Feb. 5...		1	
Japan:				
Aichi Ken.....	Dec. 28-Feb. 3...	2		
Akita Ken.....	Dec. 28-Feb. 22...	11	4	
Awomori Ken.....	Dec. 28-Feb. 22...	17	2	
Chiba Ken.....	Dec. 28-Feb. 3...	6		
Formosa.....	Feb. 4-Feb. 22...	3		
Fukui Ken.....	Dec. 28-Feb. 3...	1		
Fukushima Ken.....	Dec. 28-Feb. 22...	44	12	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Japan—Continued.</i>				
Gifu Ken.....	Feb. 4-Feb. 22...	1	.....
Gumma Ken.....	Feb. 4-Feb. 22...	1	.....
Hiroshima Ken.....	Jan. 22-Feb. 3...	1	.....
Iwate Ken.....	Dec. 28-Feb. 22...	10	3	
Kagoshima Ken.....	Feb. 4-Feb. 22...	1	.....
Kanagawa Ken.....	Dec. 28-Jan. 21...	3	.....
Kochi Ken.....	Dec. 28-Jan. 21...	1	.....
Miyagi Ken.....	Dec. 17-Dec. 27...	2	3	
	Dec. 28-Feb. 22...	24	4	
Miyazaki Ken.....	Jan. 22-Feb. 3...	3	1	
Nagano Ken.....	Feb. 4-Feb. 22...	5	3	
Nagasaki Ken.....	Jan. 22-Feb. 22...	3	1	
Okayama Ken.....	Feb. 4-Feb. 22...	2	1	
Osaka Fu.....	Dec. 28-Feb. 22...	2	.....
Saitama Ken.....	Dec. 17-Dec. 27...	1	.....
Tokyo Fu.....	Dec. 28-Feb. 22...	5	.....
Yamagata Ken.....	Jan. 22-Feb. 22...	10	4	
Yamaguchi Ken.....	Feb. 4-Feb. 22...	9	.....
Yehime Ken.....	Dec. 17-Feb. 22...	34	6	
The Hokkaido.....	Dec. 17-Dec. 27...	70	26	
	Dec. 28-Feb. 22...	235	75	
<i>Netherlands:</i>				
Amsterdam.....	Dec. 12-Dec. 24...	1	.....
Rotterdam.....	Dec. 12-Dec. 31...	3	1	
	Jan. 1-Jan. 29...	1	.....
<i>Russia:</i>				
Moscow.....	Nov. 23-Dec. 4...	1	1	
	Dec. 5-Dec. 11...	1	1	
	Jan. 1-Feb. 19...	10	3	
Odessa.....	Dec. 5-Jan. 1...	53	9	
	Jan. 2-Jan. 29...	34	7	
	Jan. 30-Feb. 26...	21	4	
St. Petersburg.....	Dec. 4-Dec. 25...	35	13	
	Jan. 9-Jan. 29...	56	19	
	Jan. 30-Feb. 26...	.....	25	
Warsaw.....	Dec. 19-Feb. 19...	.....	36	
<i>Scotland:</i>				
Glasgow.....	Dec. 5-Dec. 25...	3	1	
<i>Spain:</i>				
Corunna.....	Jan. 1-Feb. 5...	.....	2	
Madrid.....	Dec. 22-Dec. 28...	.....	1	
	Feb. 8-Feb. 23...	.....	2	
<i>Turkey:</i>				
Constantinople.....	Jan. 10-Feb. 6...	.....	53	
<i>Uruguay:</i>				
Montevideo.....	Dec. 25-Jan. 1...	1	.....
<i>Wales:</i>				
Cardiff.....	Dec. 18-Dec. 24...	1	.....

Current quarantine measures.

PLAGUE.

[Translated in this Bureau from the "Veröffentlichungen des Kaiserlichen Gesundheitsamtes," Berlin, March 2, 1898.]

Bulgaria.—According to official advices the following measures have been put in operation:

(1) The entry of all goods which have come directly from a plague-infected locality is expressly forbidden; also the importation from infected countries of rags, old clothes, bedclothing, mattresses, soiled clothing and personal effects, soiled paper, old newspaper and soiled packing paper.

(2) The Bulgarian ports of the Black Sea shall be closed to all

arrivals from plague-infected countries which have not undergone quarantine in a Turkish lazaretto.

(3) Vessels which have come from an infected port, but have undergone quarantine in a Turkish lazaretto and have had no case of plague on board since the expiration of quarantine, shall have access only to the ports of Varna and Burgas, and shall in no case be admitted to free pratique until after sanitary inspection.

(4) The regulations expressed in section No. 3 apply to vessels which have not come from an infected port but have taken on passengers from such a port, or which have had plague cases on board.

(5) The plague-infected localities are: Bombay, the entire west coast of India and the littoral of the Persian Gulf. Quarantine authorities are directed, on learning that a locality is infected, to forbid the entry of vessels under rules of section 3.

MEASURES AGAINST SMALLPOX.

DENMARK.—By order of the minister of justice sanitary police inspection is ordered for all vessels arriving from Middlesborough, England.

CUBA.

Smallpox and yellow fever in Cuban seaports.

March 16: The United States consul at Cardenas reports that during the week ended March 12, there was in that city no death from yellow fever and 1 death from smallpox.

March 14: The United States consul at Cienfuegos reports that during the week ended March 13, there were in that city no deaths from yellow fever and 3 deaths from smallpox.

March 4: The consular agent at Manzanillo reports that during the two weeks ended February 28, there were in that city 3 deaths from yellow fever and no deaths from smallpox.

March 11: The United States consul at Matanzas reports that during the week ended March 9 there were in that city no deaths from smallpox and no deaths from yellow fever.

March 15: The sanitary inspector at Habana reports that during the week ended March 10, there were no deaths from yellow fever and 20 deaths from smallpox.

March 15: The sanitary inspector at Habana reports that during the week ended March 10, there was in the city of Regla 1 death from yellow fever and no death from smallpox.

March 14: The United States consul at Sagua la Grande reports that during the week ended March 12 there were in that city 108 cases of smallpox and 8 deaths therefrom, and several cases of yellow fever, concerning which it is impossible to obtain correct statistics.

March 12: The United States consul at Santiago reports that during the two weeks ended March 12 there was in that city no death from yellow fever and no deaths from smallpox.

Sanitary report from Habana.

HABANA, March 15, 1898.

SIR: I have the honor to submit the following report for the week ended Thursday, March 10, 1898:

The mortality for the week has comparatively decreased. But 1 death occurred from yellow fever, and that one in the military hospital at Regla, and the first that has occurred in three weeks. Smallpox shows a mortality that would call for over 300 cases. Of the 30 deaths, 9 occurred in a general civil hospital known as Reina Mercedes, spoken of by me in several of my previous reports; 7 also occurred among the reconcentrados class at Aldecoa.

One can obtain a fair idea why the disease spreads when persons suffering from the disease are not prevented from going into the streets, and one day last week a man convalescent from the disease sat for several hours removing scabs from his person in the Central Park, the promenade of the city.

The harbor work has so materially increased that Assistant Sanitary Inspector Dudley is compelled to devote almost all of his time to this work. I have before reported that the Spanish line of steamers often take passengers from this port to New York without certificates from this office, and on Thursday, March 10, the steamship *Santo Domingo* had 5 such passengers, 1 of whom was sick, and permission to examine the sick person was refused Inspector Dudley.

	Granted.	Refused.
Florida:		
Key West.....	31	.....
Tampa.....	41	.....
New York:		
Ward Line.....	17	.....
Spanish Line.....	8	.....
New Orleans.....	8	.....
Total.....	105	.....

Five passengers without certificates.

Very respectfully,

W. F. BRUNNER,
Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,
U. S. Marine-Hospital Service.

[Inclosure.]

Mortality of the city of Habana and town of Regla for the week ended Thursday, March 10, 1898.

Cause of death.	Habana.	Regla.	Total.
Yellow fever.....		1	1
Enteric fever.....	7		7
Pernicious fever.....	5		5
Malarial fever.....	15	7	22
Smallpox.....	20		20
Caquexia paludica.....	19	3	22
Enteritis.....	79	13	92
Dysentery.....	40	17	57
Diarrhea.....	10	3	13
Pneumonia.....	11		11
Tuberculosis.....	51	3	54
Meningitis.....	5		5
Deaths from all causes.....	328	52	380
Deaths in military hospitals.....	100	59	159
Deaths in military hospitals from yellow fever.....		1	1
Annual ratio per 1,000.....			98.80

Sanitary report from Santiago.

SANTIAGO DE CUBA, *March 12, 1898.*

SIR: I have the honor of submitting the following report on the sanitary condition of Santiago de Cuba for the week ended March 12:

There were 77 deaths reported, 22 less than last week. Of these, 8 were from dysentery, 4 from tuberculosis, 12 from enteritis, 3 from typhomalaria, 10 from pernicious and 5 from remittent fevers, 12 from dropsy and paludic cachexia; the rest were from noncontagious or infectious diseases.

The municipal authorities have awakened at last, and realize the danger to health and life attending the unhealthy and filthy condition of the city, and are now employing some activity in the sweeping and cleaning of the streets and the burning of all the garbage outside the city limits, and the result has been a diminution of the death rate. Malarial fevers are now decreasing, so is dysentery.

Respectfully,

Dr. H. C. CAMINERO,

Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,
U. S. Marine-Hospital Service.

GREAT BRITAIN.

Smallpox at Middlesborough.

NEWCASTLE-ON-TYNE, *March 9, 1898.*

SIR: Inclosed is a letter from Mr. Nielsen, consular agent at Hartlepool, relative to the smallpox outbreak at Middlesborough.

Respectfully, yours,

HORACE W. METCALF,
United States Consul.

[Inclosure.]

CONSULAR AGENCY OF THE UNITED STATES OF AMERICA,
West Hartlepool, March 10, 1898.

SIR: Since my letter of March 3, I am glad to be able to report a decided improvement in the smallpox epidemic at Middlesborough. The new cases for the last three or

four days have only averaged about a dozen per day ; so that, if no great recrudescence takes place, the authorities may soon reasonably hope to see an end of the epidemic.

The authorities are very stringent in enforcing disinfection, and the streets of the town reek of carbolic acid and chloride of lime. The railway company, too, have a system, when the passengers leave, of spraying with a powerful disinfectant each compartment of the railway carriages on the trains running to Middlesborough.

This place continues free from the smallpox, or, in fact, from any infectious diseases.

Yours, truly,

HANS NIELSEN,
Consular Agent.

STATISTICAL REPORTS.

CUBA—Manzanillo.—Two weeks ended February, 1898. Estimated population, 20,000. Total deaths, 91, including yellow fever, 3, and enteric fever, 2.

GREAT BRITAIN—England and Wales.—The deaths registered in 33 great towns in England and Wales during the week ended March 5 correspond to an annual rate of 20.7 a thousand of the aggregate population, which is estimated at 11,218,378. The highest rate was recorded in Gateshead, viz, 26.1, and the lowest in Preston, viz, 13.0.

London.—One thousand eight hundred and five deaths were registered during the week, including measles, 115; scarlet fever, 8; diphtheria, 38; whooping cough, 49; enteric fever, 11, and diarrhea and dysentery, 11. The deaths from all causes correspond to an annual rate of 20.9 a thousand. In greater London 2,321 deaths were registered, corresponding to an annual rate of 18.9 a thousand of the population. In the "outer ring" the deaths included 22 from diphtheria, 24 from measles, and 11 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended March 5 in the 23 principal town districts of Ireland was 28.7 a thousand of the population. The lowest rate was recorded in Sligo, viz, 15.2, and the highest in Galway, viz, 49.1 a thousand. In Dublin and suburbs 218 deaths were registered, including enteric fever, 7; scarlet fever, 5, and whooping cough, 2.

Scotland.—The deaths registered in 8 principal towns during the week ended March 5 correspond to an annual rate of 21.8 a thousand of the population, which is estimated at 1,568,536. The lowest mortality was recorded in Leith, viz, 12.3, and the highest in Perth, viz, 25.5 a thousand. The aggregate number of deaths registered from all causes was 659, including measles, 20; scarlet fever, 8; diphtheria, 2, and whooping cough, 27.

JAMAICA.—Two weeks ended March 5, 1898. Estimated population, 694,865. Total number of deaths not reported. The deaths included 1 from yellow fever at St. Andrew.

Kingston.—Month of February, 1898. Estimated population, 34,314. Total deaths, 145, including phthisis pulmonalis, 10; enteric fever, 4, and diphtheria, 1.

NORFOLK ISLAND.—Two months ended January 31, 1898. Estimated population, 876. No deaths.

ST. HELENA.—Four weeks ended February 12, 1898. Estimated population, 4,000. Total deaths, 8. No deaths from contagious diseases.

MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated popula- tion.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Acapulco	Mar. 5....	5,000	12									
Aix la Chapelle.....	Feb. 26....	127,236	52							2		
Amapala.....	Feb. 19....	1,500	1					1				
Do.....	Feb. 26....	1,500	0									
Amburstburg.....	Mar. 12....	2,300	1									
Amsterdam.....	Mar. 5....	504,289	131					2		2		4
Belfast.....	Feb. 26....	304,610	195				1	2		5		3
Do.....	Mar. 5....	304,610	160					13	1	4	1	3
Belize.....	Mar. 10....	13,000	5									
Birmingham.....	Mar. 5....	505,772	234					1	1	2	8	9
Bluefields.....	do.....	3,000	1									
Bombay.....	Feb. 15....	700,000	a 2,195	2		1					11	
Bradford.....	Mar. 5....	231,260	74								4	
Bremen.....	Feb. 26....	143,500	51							1	4	
Bristol.....	do.....	316,900	129								25	2
Do.....	Mar. 5....	316,900	152					1	1	2	21	1
Brussels.....	Feb. 26....	631,024	167					1		2		2
Calcutta.....	Feb. 5....	681,560	437	13		3					1	
Callao.....	Jan. 30....	20,000	27									
Do.....	Feb. 6....	20,000	29									
Do.....	Feb. 20....	20,000	22									
Cardenas.....	Mar. 5....	23,517	48					21				
Catania.....	Mar. 3....	120,000	68					2				1
Christiania.....	Mar. 5....	200,000	76								1	
Cienfuegos.....	Mar. 13....	24,030	66			3	1					
Cognac.....	Mar. 7....	20,000	7									
Cologne.....	Feb. 26....	341,578	125					1		4	8	
Colombo.....	Feb. 12....	130,000	111					4			2	
Colon.....	Mar. 7....	8,000	5									
Copenhagen.....	Feb. 26....	351,000	110						1	2		2
Crefeld.....	Mar. 5....	108,000	22						1	1	4	
Dresden.....	Feb. 19....	378,500	123					1	1	8	3	2
Do.....	Feb. 26....	378,500	129						1	5	1	
Dublin.....	Mar. 5....	350,000	218					2	3			
Dusseldorf.....	Feb. 26....	191,605	50							1	1	
Edinburgh.....	Mar. 5....	295,628	112								1	1
Flushing.....	do.....	17,193	7									
Frankfort on the Main.....	do.....	244,000	79									
Ghent.....	do.....	161,125	70									
Gibraltar.....	Feb. 27....	25,900	15									
Do.....	Mar. 6....	25,900	5									
Girgenti.....	Feb. 26....	24,428	10									
Guayaquil.....	Feb. 11....	50,000	26									
Halifax.....	Mar. 12....	38,700	20									
Hamburg.....	Mar. 5....	661,015	177						1		1	1
Havre.....	Feb. 26....	119,470	58									
Do.....	Mar. 5....	119,470	64									
Hongkong.....	Jan. 29....	261,258	b 123			12				1		
Do.....	Feb. 5....	261,258	c 103			14						
Honolulu.....	Feb. 26....	30,000	17									
Kingston, Canada.....	Mar. 18....	18,800	10									
Leeds.....	Mar. 5....	416,618	157						3	2	6	2
Leghorn.....	do.....	104,063	38					1				
Edinburgh.....	do.....	76,277	18									
Licata.....	Feb. 26....	20,000	11					2				
Liege.....	do.....	166,110	59								3	
Liverpool.....	Mar. 5....	647,489	279						3	4	3	5
Livingston.....	do.....	2,000	2									
London, England.....	Feb. 26....	6,408,321	2,417						10	14	69	124
Do.....	Mar. 5....	6,408,321	2,321						14	8	60	139
Madras.....	Feb. 11....	452,518	310	3		6					23	
Madrid.....	Mar. 2....	491,595	331					7			2	
Manchester.....	Mar. 5....	505,343	229					2	2	1	4	4
Matamoros.....	Mar. 11....	16,304	5									
Matanzas.....	Mar. 9....	50,000	97					15				
Mayence.....	Mar. 5....	76,984	27								1	
Montevideo.....	Jan. 5....	215,061	63									
Moscow.....	Feb. 19....	1,000,000	507				2	1	14	16	10	
Naples.....	Mar. 5....	570,000	249					3				
Newcastle-on-Tyne.....	do.....	223,000	72						1			1
Nuremberg.....	Feb. 12....	183,397	62							1		
Do.....	Feb. 19....	183,397	63							1	1	

a One thousand two hundred and fifty-seven deaths from bubonic plague.

b Four deaths from plague.

c Three deaths from plague.

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Odesa	Feb. 26....	383,000	141			2		2	1	2	1
Osaka and Hiogo	Feb. 12....	182,730	104					2		3	
Palermo	Feb. 26....	273,000	156								
Paris	do.....	2,511,935	988					2	1	9	20
Plymouth	do.....	99,136	43								5
Prague	Feb. 26....	198,919	134					2	1	1	2
Puerto Cortes	Mar. 9....	2,000	3								1
Quebec	Mar. 12....	72,000							1		
Queensdown	Feb. 20....	15,000	3								
Do	Feb. 27....	15,000	3								
Do	Mar. 5....	15,000	3								
Rheims	Feb. 26....	108,943	53								
Rotterdam	Mar. 5....	298,432	130					4			2
St. Georges	do.....	2,150	0								
Do	Mar. 12....	2,150	0								
St. Petersburg	Feb. 26....	1,267,023	678			2	3	39	20	18	12
St. Stephen	Mar. 12....	3,000	0								4
St. Thomas	Feb. 11....	12,019	6								
Do	Feb. 18....	12,019	7								
Schiedam	Mar. 5....	26,884	8								
Sheffield	do.....	358,100	139					1	1		7
Sonneberg	Feb. 26....	12,400	5								4
South Shields	do.....	99,920	33								
Stettin	do.....	150,000	67							2	1
Stockholm	Feb. 16....	275,000	97						1	5	2
Stuttgart	Mar. 3....	162,934	63								
Sunderland	Mar. 5....	143,849	64						1	1	3
Tegucigalpa	Feb. 26....	12,000	5								
Trapani	do.....	45,095	16								
Trieste	do.....	165,000	162						2	3	
Tuxpan	Mar. 5....	9,000	6								
Venice	Feb. 19....	167,074	115						1	1	1
Vera Cruz	Mar. 10....	30,000	26								
Vienna	Feb. 12....	1,574,129	551					3	7	18	16
Vera Cruz	Feb. 19....	601,408	188			4	1		4	1	2
Winnipeg	Mar. 11....	38,733	15								1
Zurich	Feb. 26....	158,968	54					2		2	1

By authority of the Secretary of the Treasury :

WALTER WYMAN,
Supervising Surgeon-General U. S. Marine-Hospital Service.